

12/10/01
1c921 U.S. PTO

PATENT
Atty. Dkt. AMAT/2859.C1/CPI/COPPER/PJS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION
Assistant Commissioner for
Patents
Washington, D.C. 20231

CERTIFICATE UNDER 37 CFR 1.10

I hereby certify that this transmittal and the documents referred to as attached therein are being deposited on 12/10/01 with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. ET154716817US addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

December 10, 2001
Date

Signature

REQUEST FOR FILING A PATENT APPLICATION UNDER 37 CFR 1.53(b)

1c564 U.S. PTO
10/016255
12/10/01

This is a request for filing the following continuing application for a prior application:

- ☒ Continuation
- ☐ Divisional
- ☐ Continuation-in-part
- ☐ attached is an amendment for added subject matter
- ☐ Continuing application to permit consideration of an information disclosure statement under 37 CFR 1.97.

PARTICULARS OF PRIOR APPLICATION

Application Serial No.: 09/375,167

Confirmation No.:

Filed: August 16, 1999

Title: Barrier Layer for Electroplating Processes

Name(s) of applicant(s) (as originally filed and as last amended) and the current correspondence address and country of citizenship for each:

Sole or First Inventor:

Name: PEIJUN DING

Residence: 1020 W. Riverside Way, San Jose, California 95129

Country of Citizenship: P R of China

Post Office Address: same as above

10016255-121001

Second Inventor:

Name: TONY CHIANG
Residence: 1690 Civic Center Drive, #503, Santa Clara, California 95050
Country of Citizenship: U.S.A.
Post Office Address: same as above

Third Inventor:

Name: TSE-YONG YAO
Residence: 2080 Third Street, #10, San Francisco, California 94107
Country of Citizenship: U.S.A.
Post Office Address: same as above

Fourth Inventor:

Name: BARRY CHIN
Residence: 13174 Cumberland Drive, Saratoga, California 95070
Country of Citizenship: U.S.A.
Post Office Address: same as above

INVENTORSHIP STATEMENT

- (a) ☒ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above, and the inventor(s) in this application are:
- ☒ the same
- ☐ less than those named in the prior application, and it is requested that the following inventor(s) for the prior application be deleted:
- (b) ☐ This application discloses and claims additional disclosure and a new declaration or oath is being filed. With respect to the prior application whose particulars are set out above, the inventor(s) in this application are:
- ☐ the same
- ☐ add the following additional inventor(s):
- (c) ☒ The inventorship for all the claims in this application is:
- ☒ the same
- ☐ not the same; and an explanation, including the ownership of the various claims at the time the last claimed invention was made, is submitted.

DECLARATION OR OATH

- ☒ Continuation or Divisional (copy of original Declaration/Oath is attached)
- ☐ Continuation-in-part
- ☐ Attached, and executed by:
- ☐ inventor(s)
- ☐ legal representative of inventor(s) (37 CFR 1.42 or 1.43)
- ☐ joint inventor or person showing a proprietary interest for inventor who refused to sign or cannot be reached (37 CFR 1.47)
- ☐ This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached.
- ☐ Not attached
- ☐ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all of the above-named applicant(s).
- ☐ Attached is a showing that the filing is authorized.

IDENTIFICATION OF CLAIMS FOR FURTHER PROSECUTION

- ☒ The fees to be charged are to be based on the number of claims remaining as a result of the:
- ☐ attached preliminary amendment
- ☐ cancellation of claim(s)
- ☒ claims in the application

FEE CALCULATION (37 CFR 1.16)

	NUMBER OF CLAIMS FILED	LESS NUMBER PAID BY BASIC FEE	NUMBER OF EXTRA CLAIMS (Not less than zero)	LARGE ENTITY FEE
Basic Fee				\$740.00
Total Claims	26	- 20 = 6	X \$18 =	\$108.00
Independent Claims	3	- 3 = 0	X \$84 =	\$.00
First Presentation of Multiple Dependent Claims + \$280				-0-
Total Filing Fee Calculation:				\$848.00

**PETITION FOR SUSPENSION OF PROSECUTION FOR THE TIME NECESSARY TO
 FILE AN AMENDMENT**

- ☐ There is provided herewith a Petition for Suspension of Prosecution for the Time Necessary to File an Amendment (37 CFR 1.103) – New Application Filed Concurrently

FEE PAYMENT BEING MADE AT THIS TIME

- ☐ No filing fee is submitted
- ☒ Filing Fee \$848.00
☒ Recording Assignment [37 CFR 1.21(h)] \$ 40.00
☐ Petition fee for filing by other than all the inventors or person not the inventor where inventor refused to sign or cannot be reached [37 CFR 1.47 and 1.17(h)] \$130.00
- ☐ Processing and retention fee [37 CFR 1.53(d) and 1.21(l)] \$130.00
- ☒ Please charge Deposit Account No. 50-1074/AMAT/2859.C1/CPI/COPPER/PJS in the amount of \$888.00
 (A duplicate copy of this request is enclosed)

AUTHORIZATION TO CHARGE ADDITIONAL FEES

- ☒ The Commissioner is hereby authorized to charge the following additional fees which may be required by this paper and during the entire pendency of this application, to Deposit Account No. 50-1074/2859.C1/CPI/COPPER/PJS.
- ☒ 37 CFR 1.16(a), (f) or (g) (filing fees)
☒ 37 CFR 1.16(b), (c) and (d) (presentation of extra claims)
☐ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
☐ 37 CFR 1.17 (application processing fees)
☐ 37 CFR 1.18 [issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b)]

INSTRUCTIONS AS TO OVERPAYMENT

- ☒ Credit Deposit Account No. 50-1074/2859.C1/CPI/COPPER/PJS.

PRIORITY 35 USC 119

- ☐ Priority of application Serial No. filed on in is claimed under 35 USC 119.
- ☐ The certified copy has been filed on in prior U.S. Application Serial No. , which prior application was filed on .
- ☐ Certified copy will follow.

RELATE BACK 35 USC 120

- ☒ Amend the specification by inserting before the first line the sentence:

"This is a

- ☐ divisional
☒ continuation
☐ continuation-in-part

of copending application(s)

- ☒ Serial No. 09/375,167 filed on August 16, 1999."
☐ International Application filed on and which designated the U.

ASSIGNMENT

- ☒ The prior application is assigned of record to: Applied Materials.
☒ An assignment of the invention to Applied Materials is attached.
☒ Form PTO 1595 (Recordation Form Cover Sheet) is also attached (in

duplicate).

POWER OF ATTORNEY

- ☒ The power of attorney in the prior application is to:

Donald Verplancken	Registration No. 33,217
Michael B. Einschlag	Registration No. 29,301
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Michael L. Sherrard	Registration No. 28,041
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
B. Todd Patterson	Registration No. 37,906
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Joseph M. Jong	Registration No. 42,698

Send correspondence to:

Direct telephone calls to:

Patent Counsel
APPLIED MATERIALS, INC.
P.O. Box 450A
Santa Clara, CA 95052

B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
(713) 623-4844

- ☐ The power appears in the original papers in the prior application.

1001655-121001

☒ The power does not appear in the original papers, but was filed on 08/16/99

and 03/08/01.

☐ A new power has been executed and is attached.

☒ Address all future communications to:
Patent Counsel
APPLIED MATERIALS, INC.
P.O. Box 450A
Santa Clara, CA 95052

Direct telephone calls to:
B. Todd Patterson
MOSER, PATTERSON & SHERIDAN, L.L.P.
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MAINTENANCE OF COPENDENCY OF PRIOR APPLICATION

☐ A petition, fee and response has been filed to extend the term in the pending
prior application until . (copy attached)

CONDITIONAL PETITION FOR EXTENSION OF TIME IN PRIOR APPLICATION

☐ A conditional petition for extension of time is being filed in the pending prior
application. (copy attached)

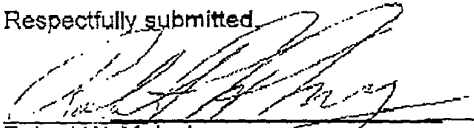
ABANDONMENT OF PRIOR APPLICATION

☐ Please abandon the prior application at a time while the prior application is
pending or when the petition for extension of time or to revive in that
application is granted, and when this application is granted a filing date, so as
to make this application copending with said prior application. At the same
time, please add the words "now abandoned" to the amendment to the
specification set forth in the "Relate Back-35 USC 120" section (page 5).

INFORMATION DISCLOSURE STATEMENT

☒ Submitted herewith is an Information Disclosure Statement.

Respectfully submitted,


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Attorney for Applicant(s)